

ABSTRACT

An optical mouse has a housing, a printed circuit board, a light source unit, a photodetector unit, a light-guiding unit and a lens unit. The light source unit has different colors of image light sources and is disposed on the printed circuit board. The light-guiding unit is arranged in the housing and adjacent to the light source unit for guiding a non-complementary color light relative to a reflection surface from one of the image light sources to the reflection surface. The lens unit is arranged in the housing and positioned below the photodetector unit for converging a reflected light reflected by the reflection surface into the photodetector unit. Furthermore, the optical mouse can be operated on various colors of reflection surfaces, and still retains better sensitivity.